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ROLLERTHERM TISSUE CULTURE INCUBATOR/Model T26

The RollerTherm is a general purpose, bench-top incubator designed for growing tissue cultures by the roller-tube method. Equipped with a heavy drive motor, the RollerTherm rotates four drums simultaneously, providing reliable operation under prolonged use. With a variety of interchangeable drums, and a choice of constant or variable roller speeds, this versatile appartus can be used for many tissue culture applications, as well as for routine incubation work.

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NEW BRUNSWICK SCIENTIFIC CO., INC.

1130 SOMERSET ST., NEW BRUNSWICK, NEW JERSEY 08903

Manufacturers and Distributors of Precision Laboratory Apparatus

WHO

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Tissue Culture Incubator

The RollerTherm Tissue Culture Incubator combines the advantages of a controlled temperature incubator with the efficiency of four continuous duty Rollerdrums. Three types of drives are offered, which rotate all four drums at a constant speed of 1/5 rpm, or at variable speeds of either 2 to 20 rpm or 6 to 60 rpm. Other speed ranges can be furnished on special order.

Continuous Duty Drive

The RollerTherm is designed to provide smooth and continuous operation, under prolonged use. A precision drive transmits reproducible motion uniformly to all drums, maintaining constant speed with heavy workloads. The powerful drive combines a high torque motor with heavy duty ball bearings that provide quiet and dependable service.

Interchangeable Drums

Test tubes from 16 mm to 25 mm, as well as centrifuge bottles, eggs and other objects, can be accommodated on a variety of interchangeable drums. The drums are fabricated of thick aluminum plate which is anodized to resist corrosion and abrasion. A tumble-tube turn-table platform is also available for rotating tubes over their vertical axes. When the drums are not in use, the RollerTherm may be employed as a standard incubator. Two shelves are provided, which may be positioned at various levels in the chamber.

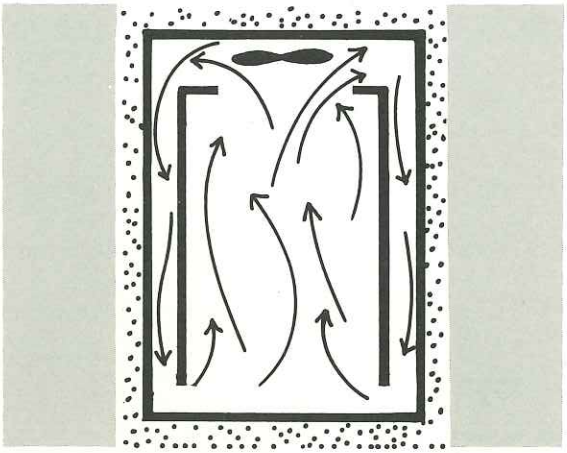
TEMPERATURE CONTROL SYSTEM

Electronic Temperature Controller

Test tubes, eggs, centrifuge bottles and other objects may be exposed to temperatures ranging from ambient to 65°C. Control tolerance and temperature gradient are both maintained within ±0.5°C by means of an electronic controller and a high capacity air circulation system. The solid state Thermistor temperature controller responds rapidly to minute thermal changes. Nichrome heating elements, which have relatively low surface temperature, are installed over a large area to prevent heavy surges of heat. A safety lock-knob is employed to prevent inadvertent change of the thermal setting. To further assure dependable control, a safety thermostat is incorporated in the control circuit for protection against overheating.

Mechanical Air Circulation

Air is kept in continuous motion to achieve uniform temperature in all parts of the chamber. A large exhaust fan draws air rapidly to the top of the incubator, where it equilibrates rapidly as it is dispersed over heating elements. The air is deflected down ducts in the side walls, and is swept upward, diffusing uniformly throughout the chamber.



SPECIFICATIONS

Speed Range	1/5 RPM	2-20 RPM	6-60 RPM
Temperature Range	5°C above ambient to 65°C		
Dimensions	Width	Front to Back	Height
Overall	34"	24½"	49"
Chamber	30"	16"	30½"
Shelf Dimensions	15½" x 29¾"		
Drum Diameter	14"		
Heater	Low-watt-density Nichrome heating elements		
Electrical Service Data[1]	115 Volt, 60 cycle, A.C. 208 Volt, 60 cycle, A.C. 230 Volt, 60 cycle, A.C.		
Net Weight (Approx.)	400 lbs.		
Shipping Wt. (Approx.)	500 lbs.		

(1) Also available for 50 cycle service. Price available on request.

PRICE LIST, MODEL T26 WITHOUT DRUMS[3]

CATALOG NO.	SPEED	ELECTRICAL SERVICE	PRICE[2]
T26-15-15	1/5 rpm	115V 60 cycle A.C. 1 phase	$1,225
T26-15-28		208V 60 cycle A.C. 1 phase	1,250
T26-15-23		230V 60 cycle A.C. 1 phase	1,250
T26-22-15	2-20 rpm	115V 60 cycle A.C. 1 phase	1,375
T26-22-28		208V 60 cycle A.C. 1 phase	1,400
T26-22-23		230V 60 cycle A.C. 1 phase	1,400
T26-66-15	6-60 rpm	115V 60 cycle A.C. 1 phase	1,375
T26-66-28		208V 60 cycle A.C. 1 phase	1,400
T26-66-23		230V 60 cycle A.C. 1 phase	1,400

PRICE LIST OF INTERCHANGEABLE DRUMS

CATALOG NO.	CAPACITY OF DRUM				PRICE[2]
	No. of Objects	Description	Hole Diameter	Depth of Drum	
ATC-TT16	164	Test Tubes, 16 mm and smaller	.688"	3 15/16"	$38
ATC-TT25	80	Test Tubes, 25 mm and smaller	1.063"	4 7/16"	38
ATC-00	30	Eggs	XX	XX	38
ATC-BB250	16	250 ml Centrifuge Bottles	2.500"	3 15/16"	38
ATC-BB60	18	60 ml Centrifuge Bottles	1.750"	2 1/8"	38
AST-TT16	12	Test Tubes, 16 mm and smaller (Tumble-Tube Technique)	XX	XX	20

UNCONDITIONAL 1-YEAR WARRANTY

(2) Prices are F.O.B. New Brunswick, N.J., subject to change without notice.

(3) For complete price of unit with interchangeable drums, add price of four drums to price of unit.

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